MNE8002M: RESEARCH SEMINAR

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Research Seminar

Subject Code
MNE - Mechanical Engineering
Course Number
8002M

Academic Unit
Mechanical Engineering (MNE)

College/School
College of Engineering (EG)

Course Duration
Non-standard Duration

Other Course Duration
To be completed normally in 1 academic year or 2 semesters

Credit Units
0-2

Level
R8 - Research Degree

Medium of Instruction
English

Medium of Assessment
English

Prerequisites
Nil

Precursors
Nil

Equivalent Courses
Nil

Exclusive Courses
MNE8009 Research Methodology

Part II Course Details

Abstract

The Research Seminars will be used as a forum for the research students to:

- broaden their knowledge and expertise;
- exchange learning experiences or research findings with their peers;
- cultivate critical thinking and stimulate generation of new ideas;
- develop their ability and skill in technical communications; and
- help promote their research culture.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Define the nature, aim, scope and significance of a research topic clearly in explicit terms and develop it in adequate academic depth and vigour.		x	x	
2	Review the body of knowledge from literature to lay the necessary theoretical foundation relevant to the topic or theme of the thesis.		x	x	
3	Apply such theory or knowledge to formulate and implement the research methodology for the thesis.			x	x
4	Participate in the regular seminars in the course of their candidature. Communicate the thesis research process, results and experience scholarly and logically, using written, oral and visual media.			x	

A1: Attitude
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments
Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Additional Information for LTAs

Students are required to attend the regular Seminars in the course of their candidature. The candidates are expected to learn and gain from these seminars during which they are encouraged to have scholarly discourse about methodology design, research technique and instrument, analysis strategies, and research progress or findings with their peers. These seminars are progress checkpoints as well as forums for sharing of research experience among the students.
Research seminars and talks by guest speakers/visitors, will also be arranged throughout the program. In addition, students are encouraged to attend other seminars organized on a regular basis by different academic units of CityU. This will provide students with opportunities for first-hand discussions and interaction with experienced professionals and academics on wide ranging contemporary issues and topics.

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Continuous Assessment	1, 2, 3, 4	100	-	Yes

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

0

Minimum Examination Passing Requirement (%)

0

Assessment Rubrics (AR)

Assessment Task

Research Seminar (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Quality of presentation about the research progress or results to peers and faculty in class. Quality of the submitted portfolio (as defined each semester) of brief write-ups and reflections of the research seminars attended.

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Research Seminar (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Quality of presentation about the research progress or results to peers and faculty in class. Quality of the submitted portfolio (as defined each semester) of brief write-ups and reflections of the research seminars attended.

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

Marginal

(B-, C+, C) Moderate

Failure

(F) Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

Literature search, research design, research methodology, quantitative and qualitative methods, research writing and presentation, research seminars.

Reading List

Compulsory Readings

	Title
1	N.A.

Additional Readings

	Title
1	Experimental Methods for Engineers, McGraw-Hill Series in Mechanical Engineering, 8th Edition, Jack Holman
2	Professional and Technical Writing/Presentations, Wikibooks: https://enwikibooksorg/wiki/Professional_and_Technical_Writing/Presentations
3	Online Resources Online learning material is provided via University computer network.